

ABSTRACT OF THE DISCLOSURE

Devices and systems having one or more of the following components: a compliant pillar with a modified tip surface (non-flat tip) and a corresponding compliant socket; an optical/electrical I/O interconnect and a corresponding compliant socket; a
5 lens/waveguide optical pillar, a polymer bridge, and an L-shaped pillar, are described herein. In addition, methods of making these components and methods of using these components are disclosed herein.